

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019290.D
 Acq On : 27 Aug 2024 16:50
 Operator : SY/MD
 Sample : P3663-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 01:46:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

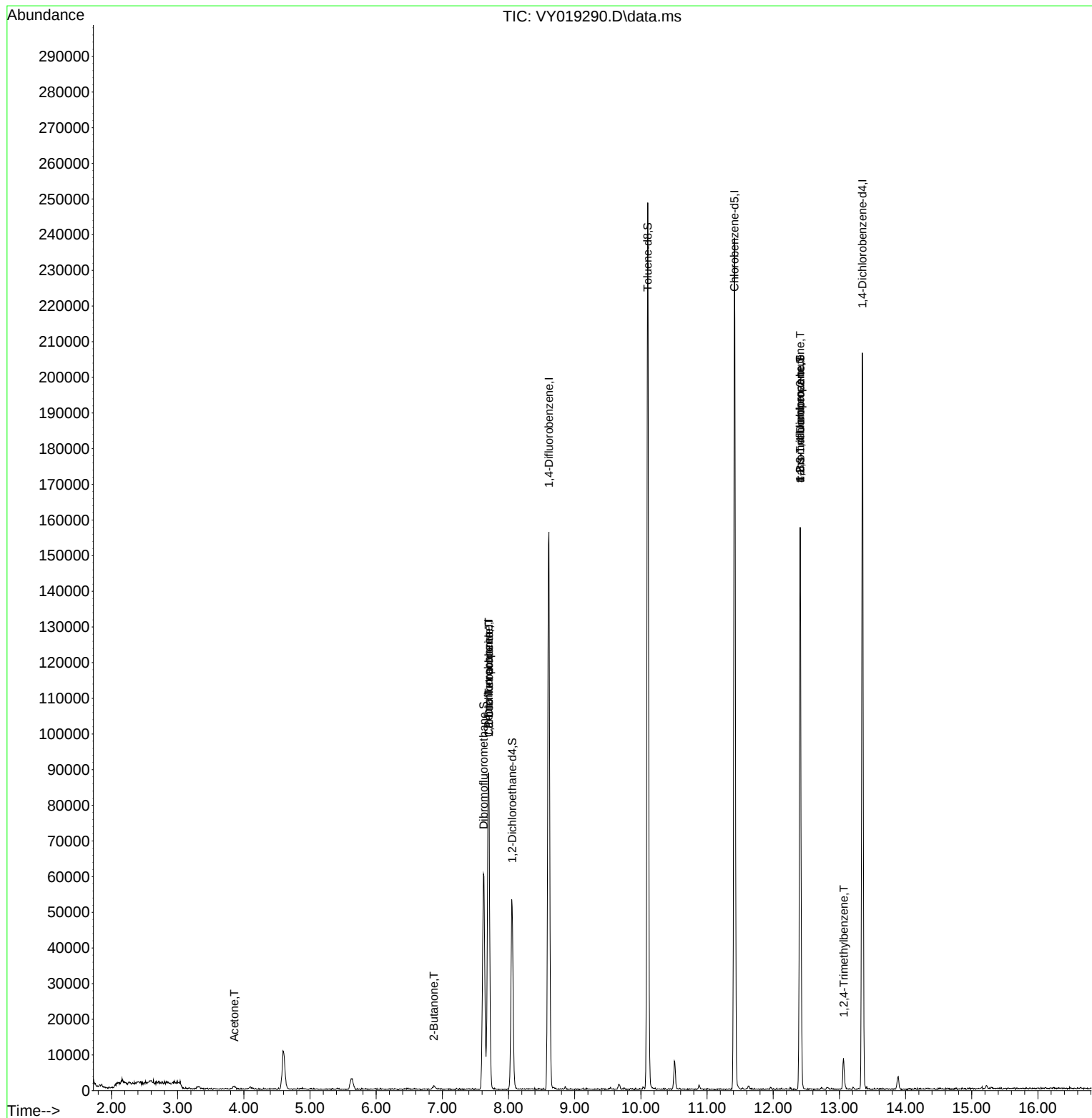
Internal Standards						
1) Pentafluorobenzene	7.695	168	72691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	138311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	126625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	50477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	41415	56.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.680%
35) Dibromofluoromethane	7.622	113	43128	47.689	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.380%
50) Toluene-d8	10.103	98	153473	47.157	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.320%
62) 4-Bromofluorobenzene	12.407	95	46349	41.777	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	83.560%
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	162	Below Cal	#	56
6) Chloroethane	2.726	64	41	Below Cal	#	1
11) Tert butyl alcohol	4.848	59	33	Below Cal	#	88
13) Acrolein	3.635	56	20	Below Cal	#	15
16) Acetone	3.854	43	1522	11.263	ug/l #	76
20) Methylene Chloride	4.598	84	7685	Below Cal	#	89
25) 2-Butanone	6.872	43	273	1.254	ug/l #	41
31) Cyclohexane	7.683	56	1694	Below Cal	#	60
36) 1,1-Dichloropropene	7.701	75	5407	4.354	ug/l #	48
38) Carbon Tetrachloride	7.701	117	7498	5.210	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	25491	51.208	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	25491	126.466	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.066	105	3174	1.010	ug/l #	30

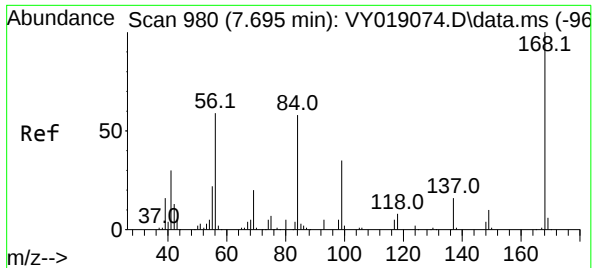
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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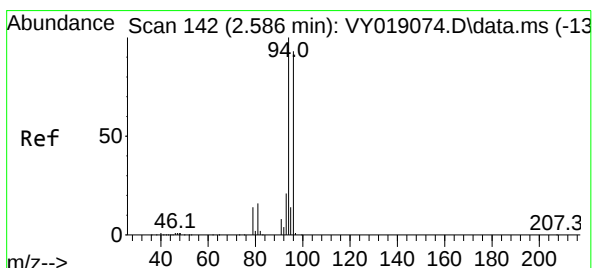
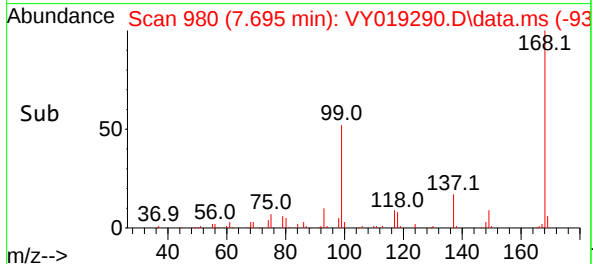
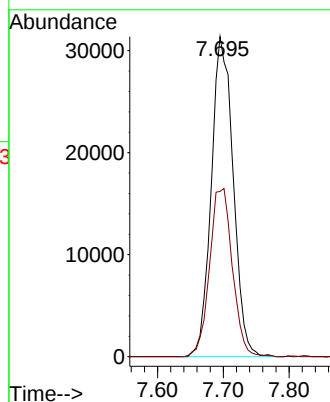
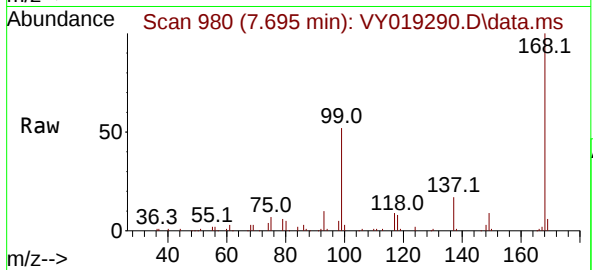




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019290.D
Acq: 27 Aug 2024 16:50

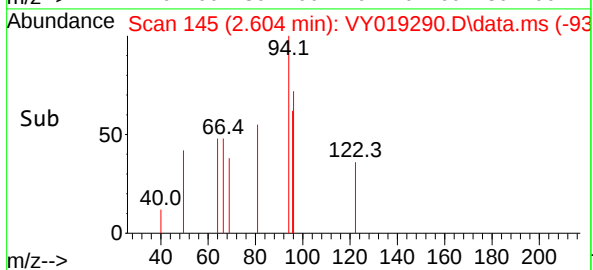
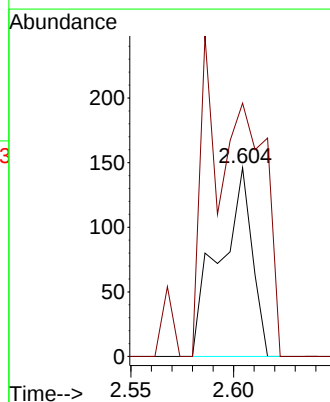
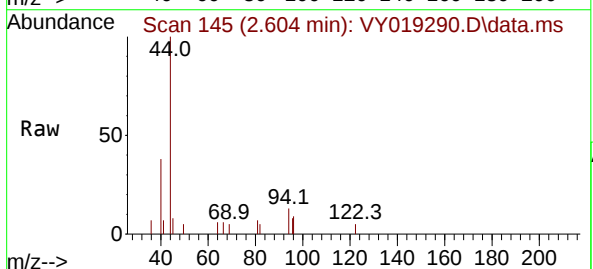
Instrument :
MSVOA_Y
ClientSampleId :

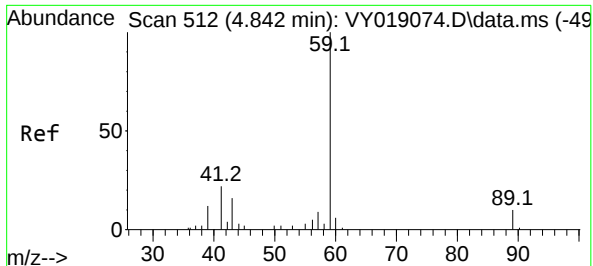
Tgt Ion:168 Resp: 72691
Ion Ratio Lower Upper
168 100
99 51.7 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019290.D
Acq: 27 Aug 2024 16:50

Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 134.2 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.848 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY019290.D

Acq: 27 Aug 2024 16:50

Instrument :

MSVOA_Y

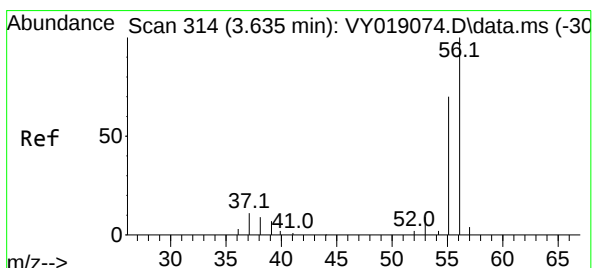
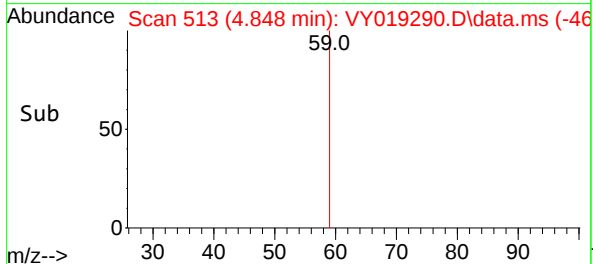
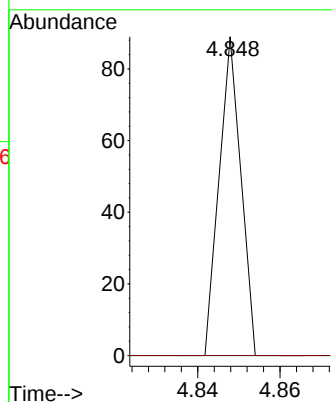
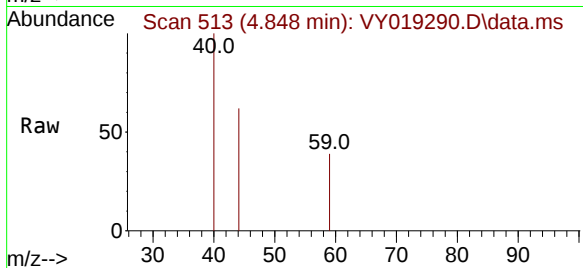
ClientSampleId :

Tgt Ion: 59 Resp: 33

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.635 min Scan# 314

Delta R.T. -0.000 min

Lab File: VY019290.D

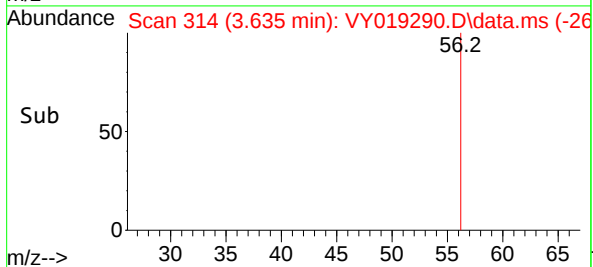
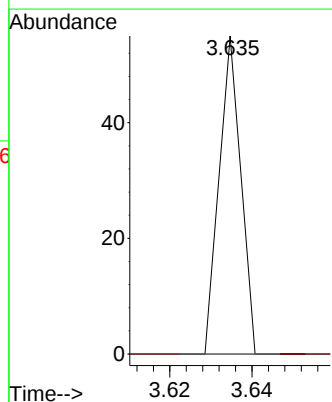
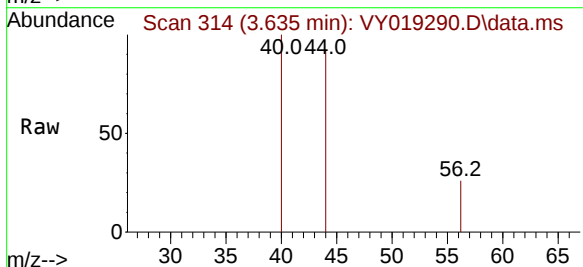
Acq: 27 Aug 2024 16:50

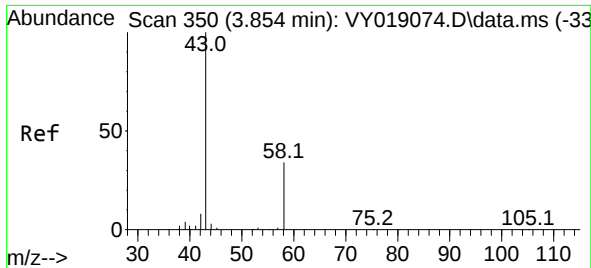
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#





#16

Acetone

Concen: 11.263 ug/l

RT: 3.854 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY019290.D

Acq: 27 Aug 2024 16:50

Instrument :

MSVOA_Y

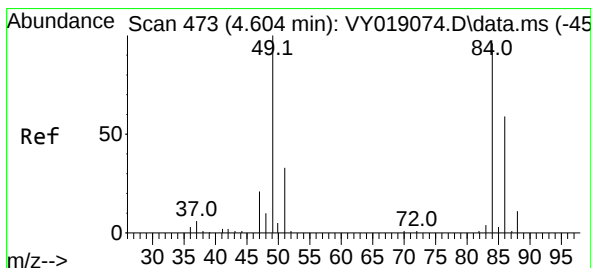
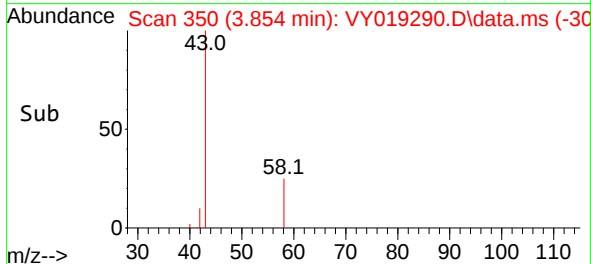
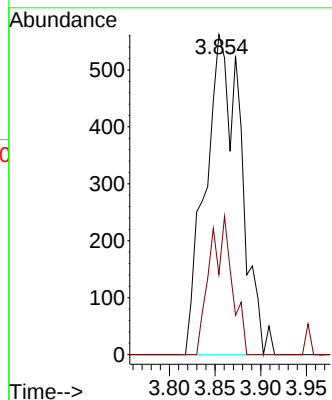
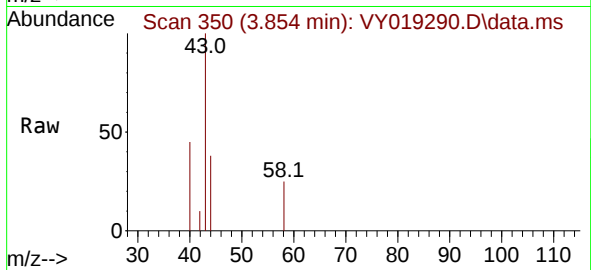
ClientSampleId :

Tgt Ion: 43 Resp: 1522

Ion Ratio Lower Upper

43 100

58 25.1 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.598 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY019290.D

Acq: 27 Aug 2024 16:50

Tgt Ion: 84 Resp: 7685

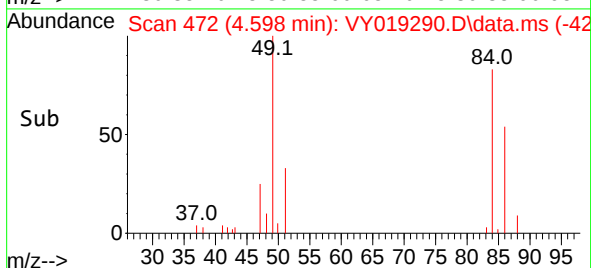
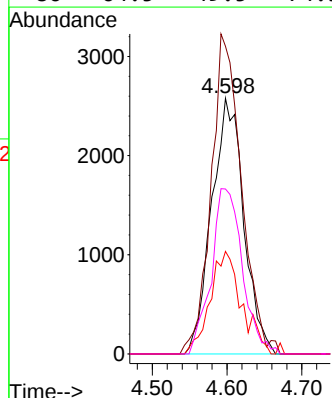
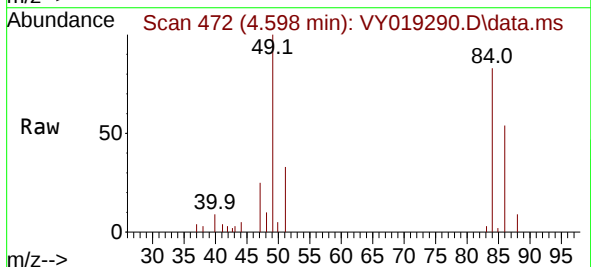
Ion Ratio Lower Upper

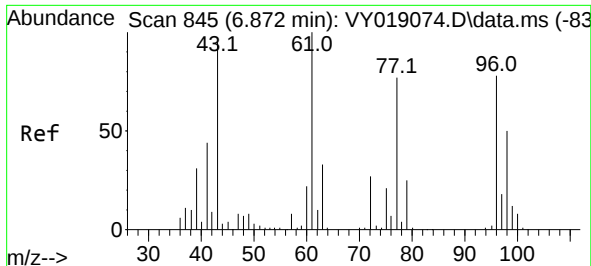
84 100

49 120.3 84.4 126.6

51 40.1 26.0 39.0#

86 64.5 49.5 74.3





#25

2-Butanone

Concen: 1.254 ug/l

RT: 6.872 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY019290.D

Acq: 27 Aug 2024 16:50

Instrument :

MSVOA_Y

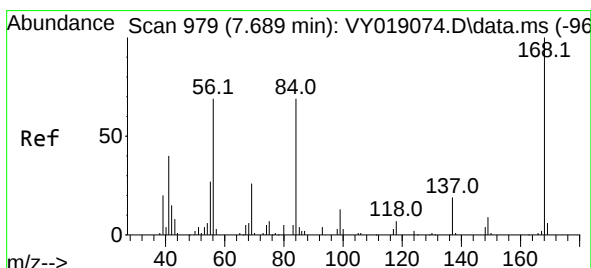
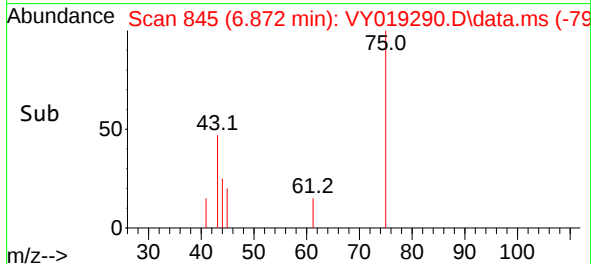
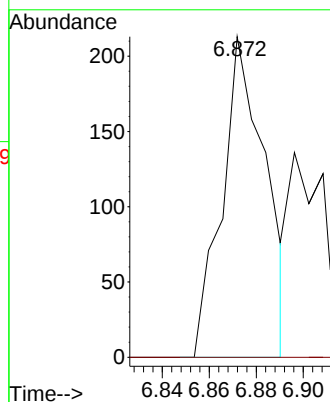
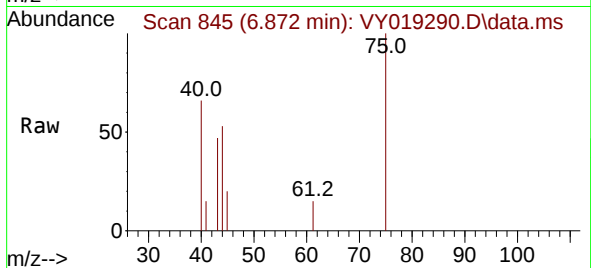
ClientSampleId :

Tgt Ion: 43 Resp: 273

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.683 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY019290.D

Acq: 27 Aug 2024 16:50

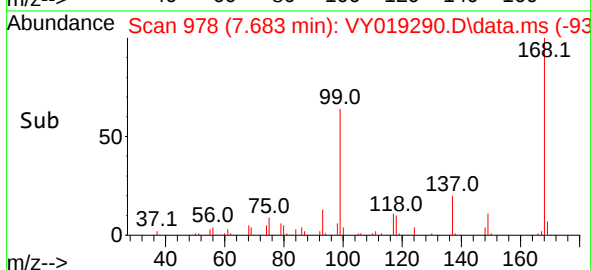
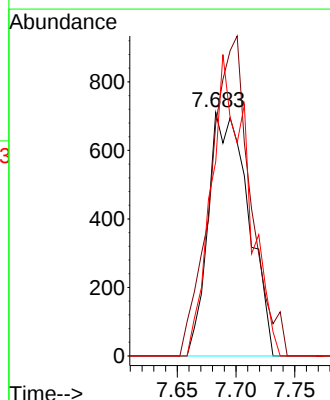
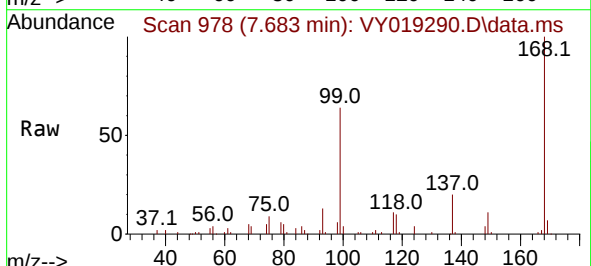
Tgt Ion: 56 Resp: 1694

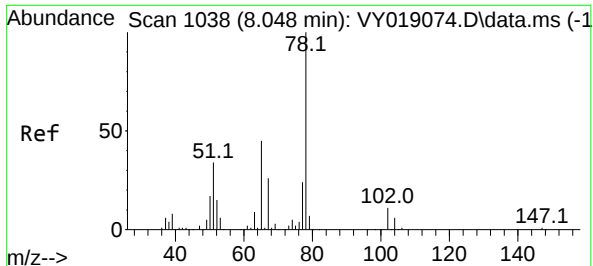
Ion Ratio Lower Upper

56 100

69 95.2 28.7 43.1#

84 79.7 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 56.836 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019290.D

Acq: 27 Aug 2024 16:50

Instrument :

MSVOA_Y

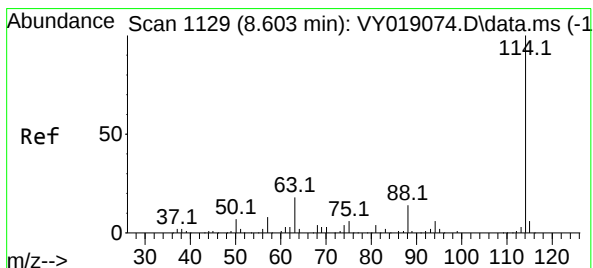
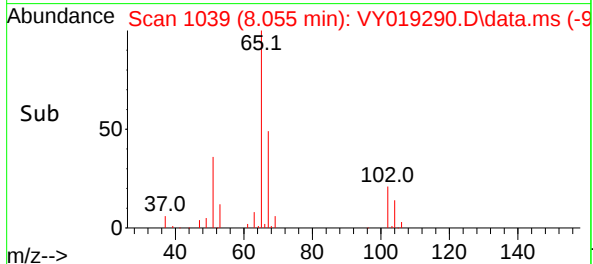
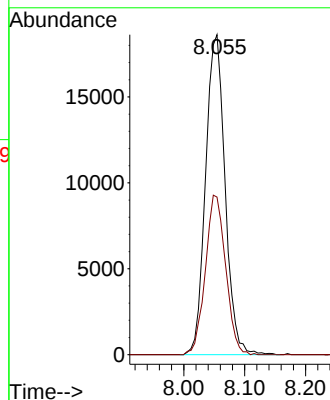
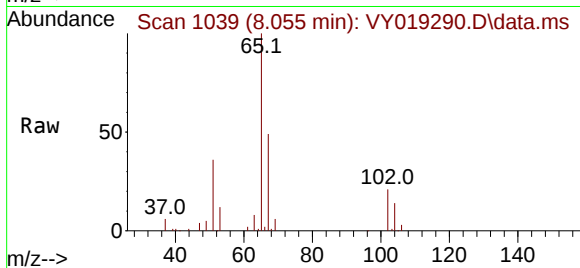
ClientSampleId :

Tgt Ion: 65 Resp: 41415

Ion Ratio Lower Upper

65 100

67 51.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019290.D

Acq: 27 Aug 2024 16:50

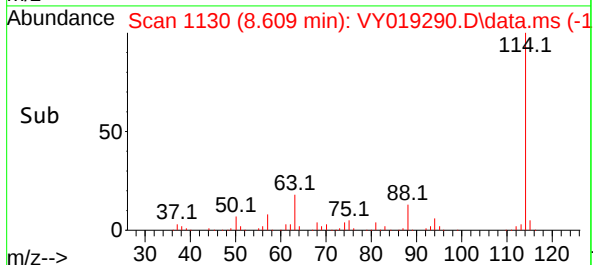
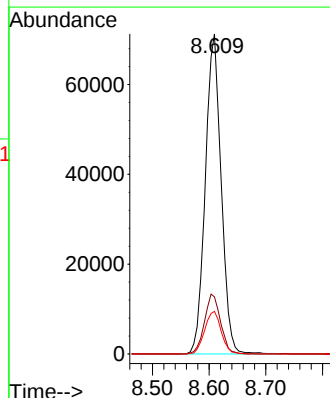
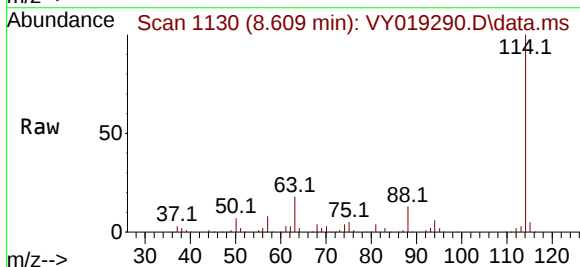
Tgt Ion: 114 Resp: 138311

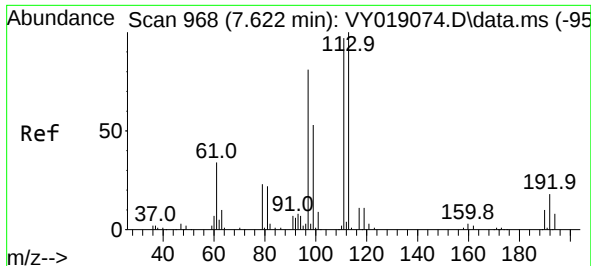
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

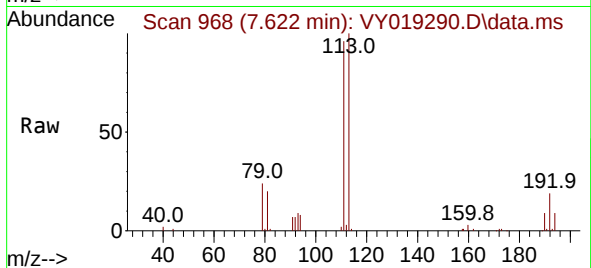
88 13.3 0.0 27.2



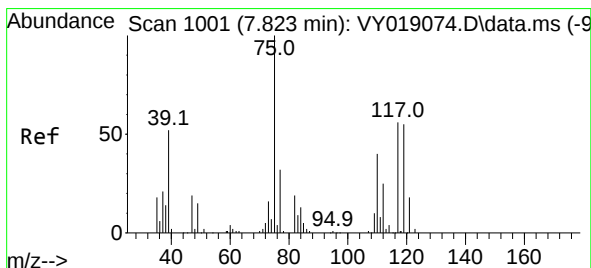
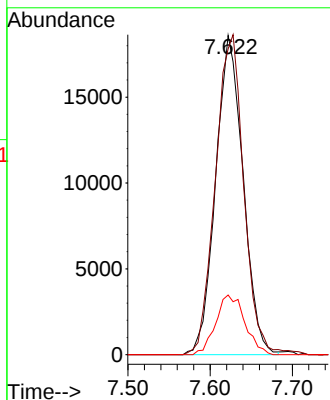
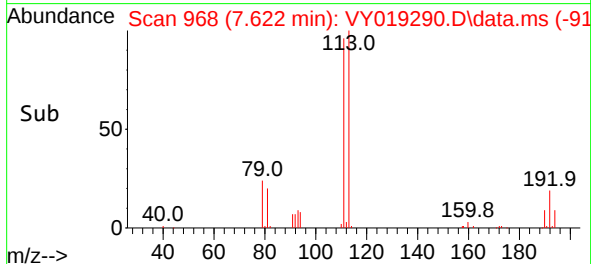


#35
Dibromofluoromethane
Concen: 47.689 ug/l
RT: 7.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY019290.D
Acq: 27 Aug 2024 16:50

Instrument :
MSVOA_Y
ClientSampleId :

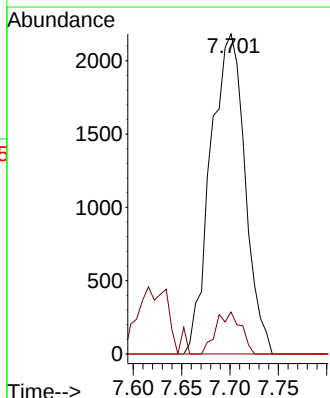
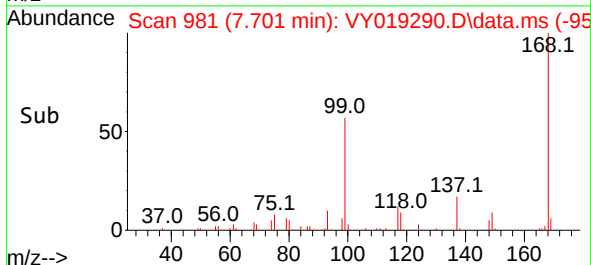
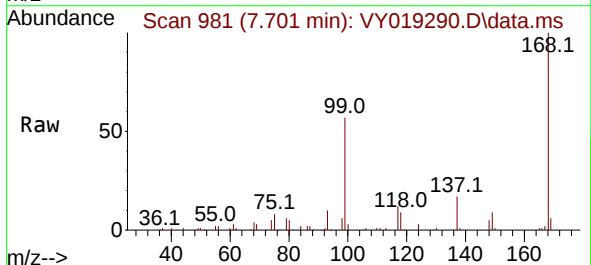


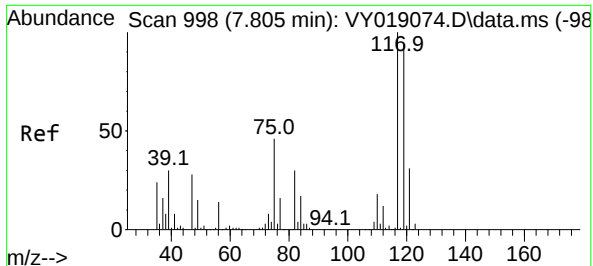
Tgt Ion:113 Resp: 43128
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 19.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.354 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019290.D
Acq: 27 Aug 2024 16:50

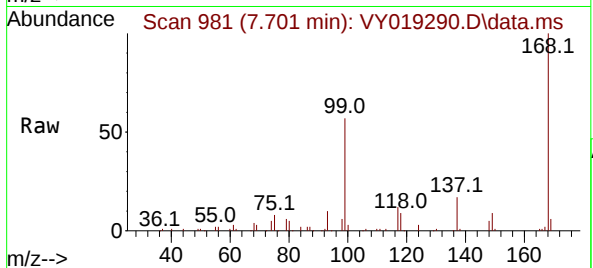
Tgt Ion: 75 Resp: 5407
Ion Ratio Lower Upper
75 100
110 9.5 19.0 57.0#
77 0.0 25.3 37.9#



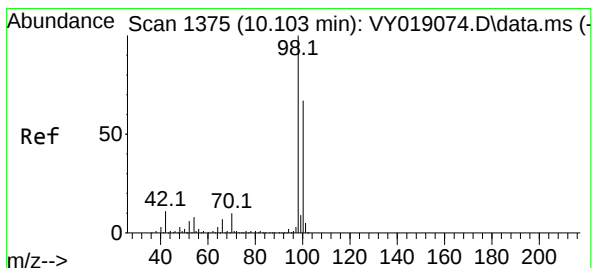
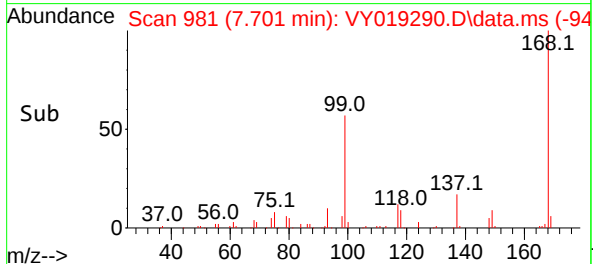
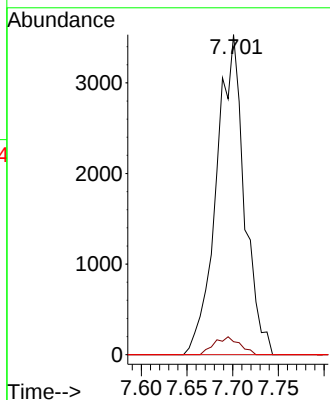


#38
Carbon Tetrachloride
Concen: 5.210 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY019290.D
Acq: 27 Aug 2024 16:50

Instrument :
MSVOA_Y
ClientSampleId :

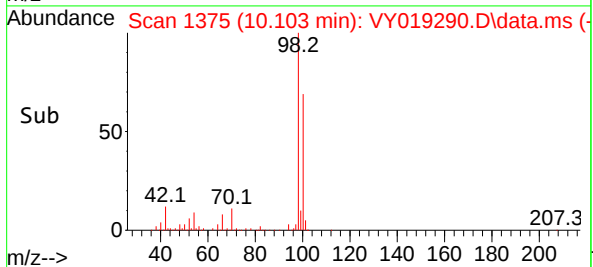
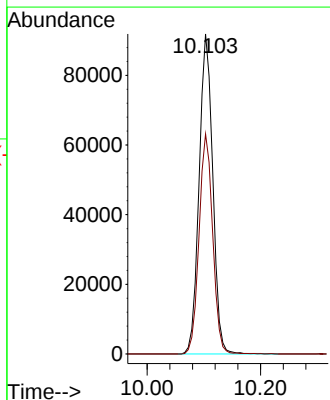
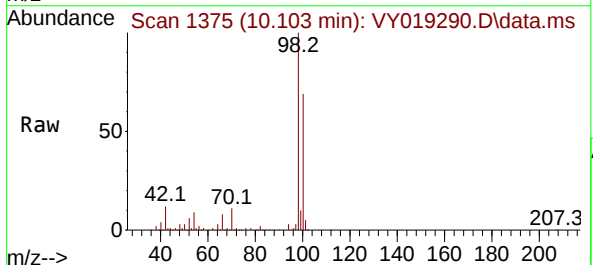


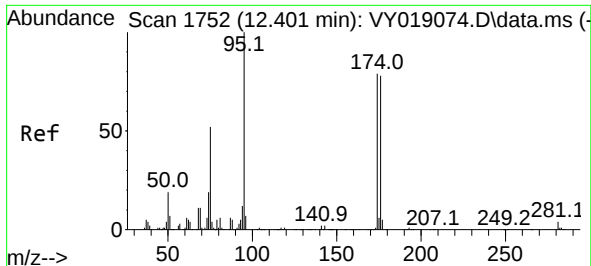
Tgt Ion:117 Resp: 7498
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.157 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019290.D
Acq: 27 Aug 2024 16:50

Tgt Ion: 98 Resp: 153473
Ion Ratio Lower Upper
98 100
100 68.4 52.0 78.0

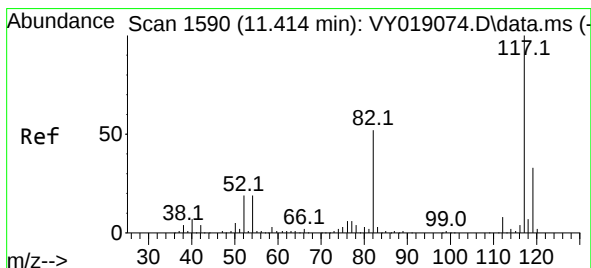
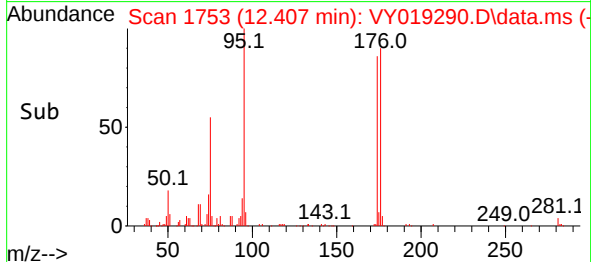
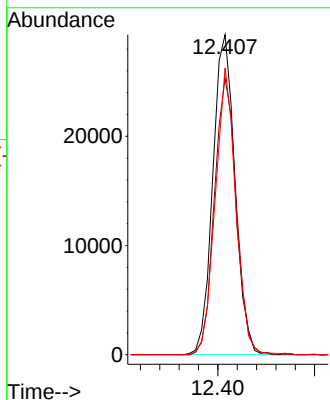
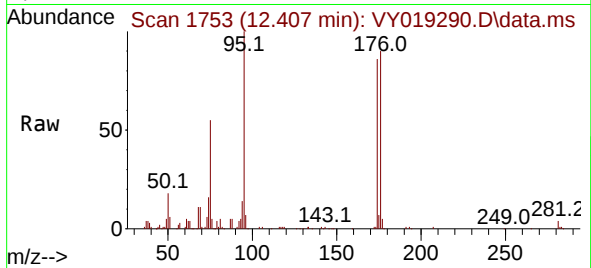




#62
4-Bromofluorobenzene
Concen: 41.777 ug/l
RT: 12.407 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY019290.D
Acq: 27 Aug 2024 16:50

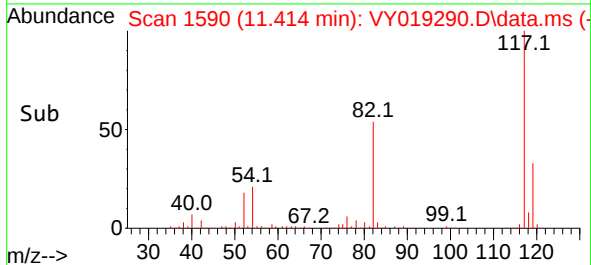
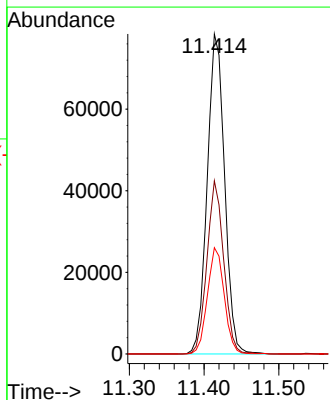
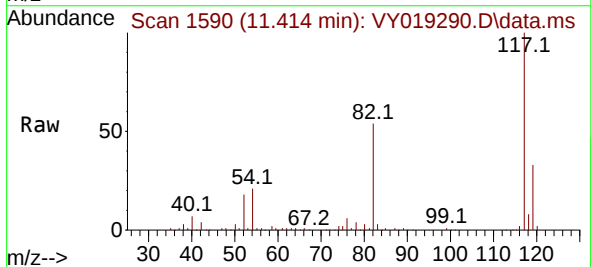
Instrument :
MSVOA_Y
ClientSampleId :

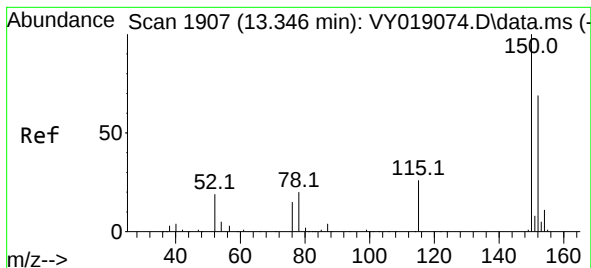
Tgt Ion: 95 Resp: 46349
Ion Ratio Lower Upper
95 100
174 85.9 0.0 175.6
176 83.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019290.D
Acq: 27 Aug 2024 16:50

Tgt Ion: 117 Resp: 126625
Ion Ratio Lower Upper
117 100
82 54.1 42.4 63.6
119 33.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019290.D

Acq: 27 Aug 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :

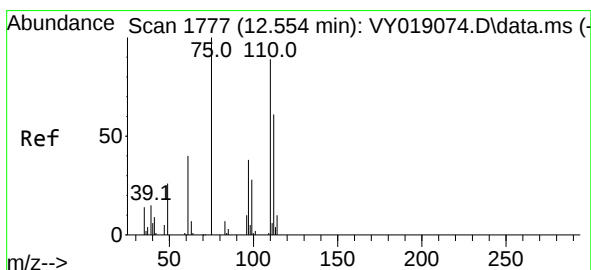
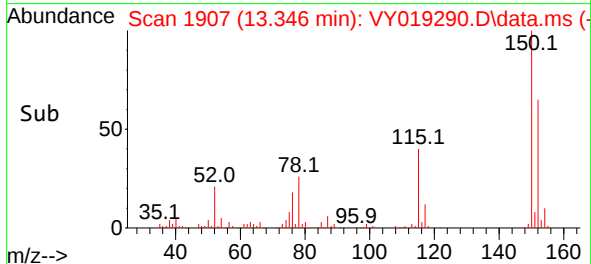
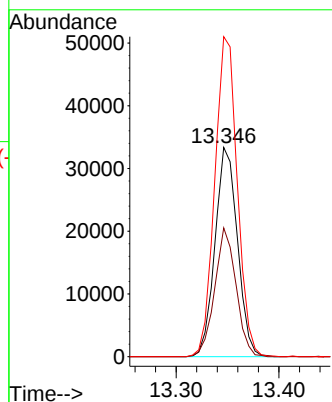
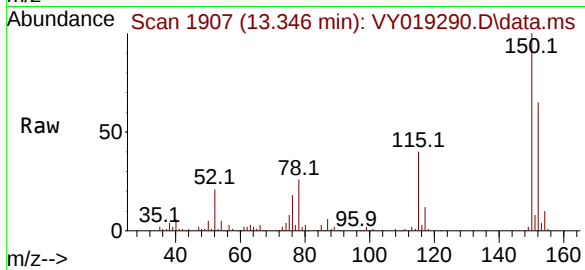
Tgt Ion:152 Resp: 50477

Ion Ratio Lower Upper

152 100

115 58.4 28.2 84.7

150 153.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 51.208 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019290.D

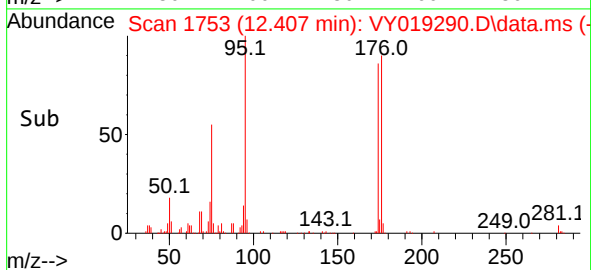
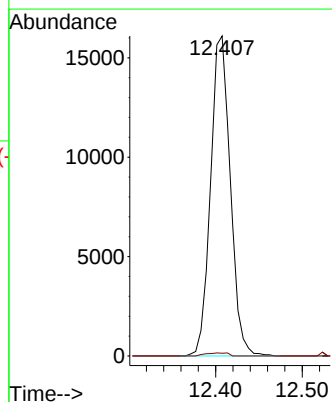
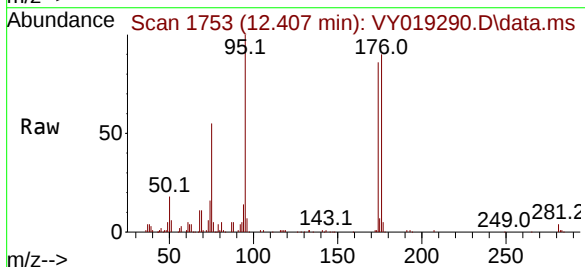
Acq: 27 Aug 2024 16:50

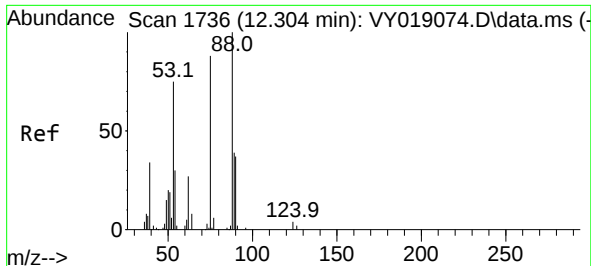
Tgt Ion: 75 Resp: 25491

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

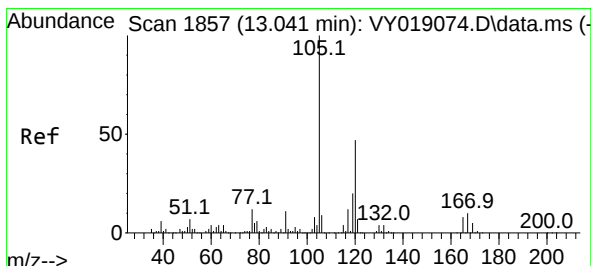
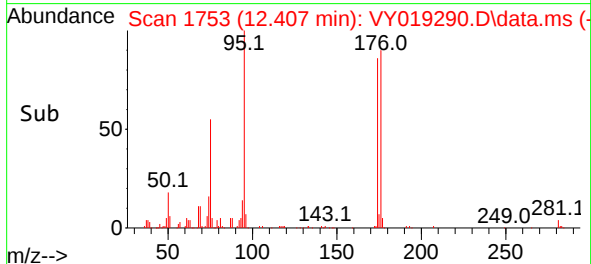
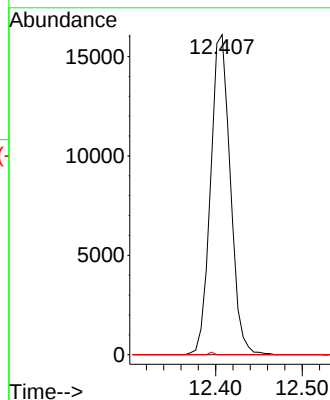
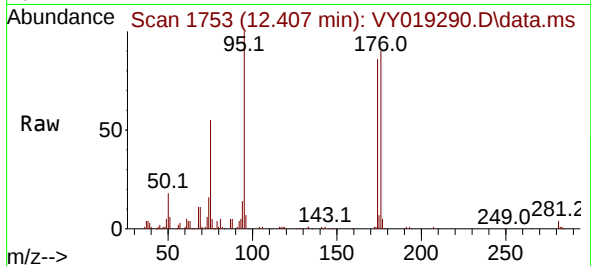




#81
trans-1,4-Dichloro-2-butene
Concen: 126.466 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019290.D
Acq: 27 Aug 2024 16:50

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 25491
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.010 ug/l
RT: 13.066 min Scan# 1861
Delta R.T. 0.025 min
Lab File: VY019290.D
Acq: 27 Aug 2024 16:50

Tgt Ion: 105 Resp: 3174
Ion Ratio Lower Upper
105 100
120 0.0 23.2 69.6#

